



**H & B**

aluminum

**1<sup>9</sup>/<sub>16</sub>" movable partitions**

Patented



Patented

The SECRET of H&B Movable Partitions is the continuous threaded channel which allows the bolt to be threaded in at any location along the entire strip.



Trade Mark copyright 1957

a custom designed partition

1960

at a stock price . . . . .

with your selection of any 1<sup>9</sup>/<sub>16</sub>" paneling



and **H & B** standard aluminum sections

AIA File 35-H-6

distributed by:

**H & B ENTERPRISE CORPORATION**

1150 SOUTHARD STREET • TRENTON 8, N. J. EXport 6-3516

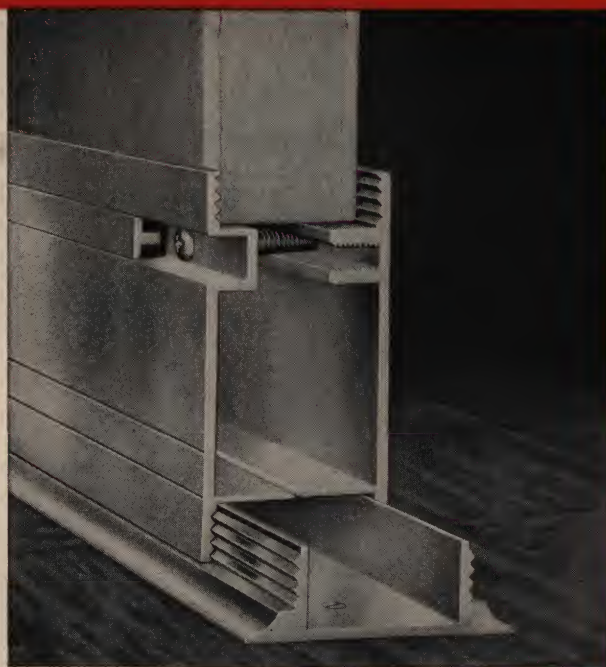




... the movable partition *you* design

- standardized extruded aluminum framing sections of 6063-T5 alloy, natural or anodized (satin) finish
- with your own selection of any 1-9/16" paneling
- assembled like an "Erector" set
- with a minimum number of bolts
- through the interlocking aluminum components

**result:** a solid, sound resistant partition . . . movable as the need arises



**the key to H & B design**  
the continuous ribbed channel and  
the interlocking aluminum sections

Patented

## the *advantages* to YOU of the H & B aluminum partition

**select your own paneling—and decorate it as you wish**

With the H & B aluminum partition a designer is no longer handicapped by stock designs, stock sized panels or specified colors and finishes. Now he is free to choose from a number of preformed 1-9/16" thick wall panels manufactured by leading companies throughout the country. He may select exactly the type of panel his installation requires . . . for sound resistance, for texture, for material, for cost. Then the selected paneling may be finished in any way most suitable to the office or other location. The manufacturers listed below are some of those recommending H & B sections with their 1-9/16" panels for custom design and economical job-site fabrication.

**Porcelain Enamel Panel** • Atlas Enameling Co., Inc.,  
2020 N. Broadway, St. Louis, Mo.

**Cemesto Panel** • Celotex Corp.,  
120 S. LaSalle St., Chicago 3, Ill.

**Plastic Faced Panel** • Clad Rex Steel Co.,  
2101 Indiana Ave., Chicago 16, Ill.

**Plywood Panel** • General Plywood Corp.,  
P.O. Box 1403, Louisville 1, Ky.

**Transitop Panel** • Johns-Manville Sales Corp.,  
22 E. 40th Street, New York 16, N.Y.

**Insulpanel** • Keasbey & Mattison Co.,  
Ambler, Pennsylvania

**Fiberglas Panel** • Keller Products, Inc.,  
41 Union St., Manchester, N. H.

**Asbestone Panel** • National Gypsum Co.,  
325 Delaware Ave., Buffalo 2, N. Y.

**Thermo-Bord Panel** • Philip Carey Manufacturing Co.,  
Lockland, Cincinnati 15, Ohio

### available in most large cities

The companies listed below, as well as other manufacturers of panels suitable for H & B aluminum partitions have nation-wide distribution and panel stocks are available in most large cities. Any of these local distributors who assemble and deliver the complete partition will be glad to furnish you with information and wall panel details and cooperate in any way possible. Prompt service and delivery from local supplies speed partition installation. H & B has distributors throughout U.S. which handle our parts and the various panels.

### economy in erection is assured

- simplicity of design and a minimum number of parts meet every condition and facilitate assembly.
- no specially trained crews are required. Your own men can erect the H & B partition or make immediate changes in layout without extra expense.
- no special layouts are needed. Field installation can proceed directly from architectural plans or rough sketches.
- panels and aluminum framing sections permit field sawing of parts without difficulty or delay. Except for door jambs, which are mitered at factory, all sections require only straight cuts.
- no special tools or equipment are required for original installation or subsequent revisions in layout. All that is needed is 1/4" Drill - Hacksaw - File.



## other advantages of H & B aluminum partitions

### saves valuable floor space

a partition only 1-9/16" thick saves hundreds of square feet of floor space compared with conventional types of partitions.

### appearance

clean-cut and functional are the words describing the H & B aluminum partition. The beautiful natural or satin finish of aluminum may be featured by any panel color or finish you desire.

### salvageable for re-erection

the threaded channel and interlocking sections permit easy removal of all bolts and the complete salvageability of all parts for use over and over again as space requirements change. A number of companies have used the same components for many years.

### soundproofness and insulation

wall panels may be selected for their soundproofing and insulating value. The paneling manufacturers listed on page 2 state that these characteristics of their panels are equal to any on the market today. YOU choose the one best meeting your own conditions.

### complete freedom of design

the H & B aluminum partition is made to your own plans and to meet your own special requirements. Stock materials, sizes, finishes no longer dictate your partition installation. Lay out your partitions as YOU want them.

### wiring is simple

the large aluminum battens (shown opposite) accommodate wiring vertically or horizontally and standard full-size base or wall outlets may be located where required.

### the manufacturer

the H & B Enterprise Corporation has been producing a wide range of products for the construction industry for 10 years. The Company's long experience in this field, highly trained engineering staff and completely modern manufacturing facilities guarantee the design, the quality and the durability of this unusual partition system.

### short form specifications

Partitions shall be as manufactured by the H & B Enterprise Corporation, 1150 Southard St., Trenton N. J.

Architectural floor plans shall be used in conjunction with H & B standard details. Shop drawings shall not be required.

1 1/16" panels as specified by the architect shall be used with H & B 6063-T 5 aluminum extrusions for Base, Cap, Battens, Door Jamb and Head Mouldings and Intersecting Channels. All extrusions and mouldings to be H & B Standard, designed structurally of required strength and thickness up to .125". Battens and Corners will have Threaded Coupling for easy erection and re-erection. Insulated panels of required decibel sound proofness and insulation characteristics to meet requirements specified by the architect.

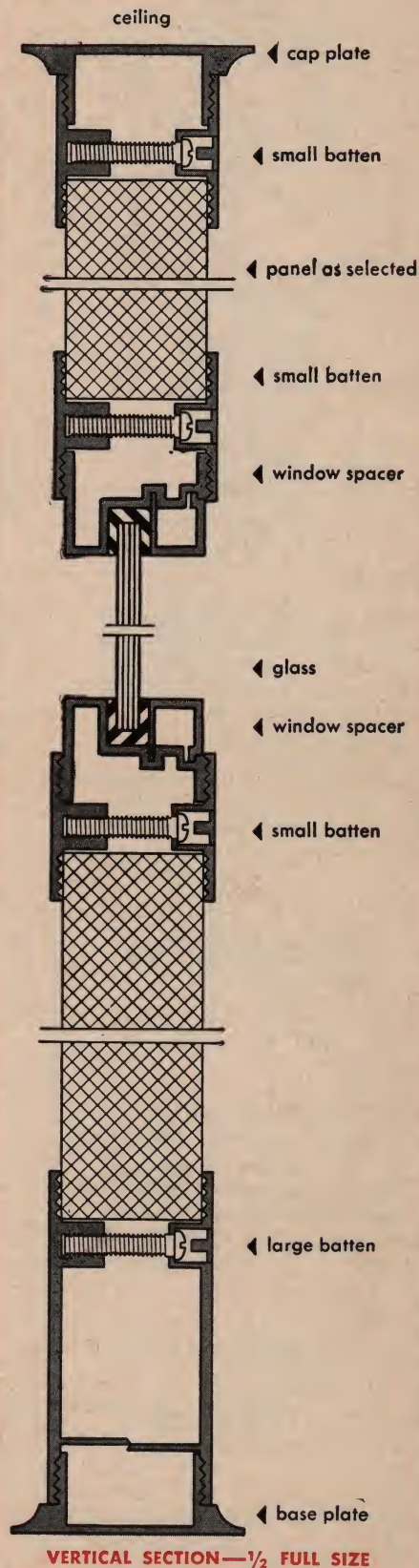
All partition component parts shall be interchangeable and salvageable for economical re-erection. All aluminum framing and moulding members shall have straight cuts made without use of special tools. Door Jamb and Head Mouldings shall be mitered at factory. H & B simplified system does not require specially trained crews for erection.

All joints shall be straight and tight. Horizontal lines shall be level and all walls straight and plumb. Finished surfaces shall be thoroughly cleaned and left free of imperfections.

(Doors, door hardware, painting and glass to be furnished by others)

## simplified

### H & B partition erection

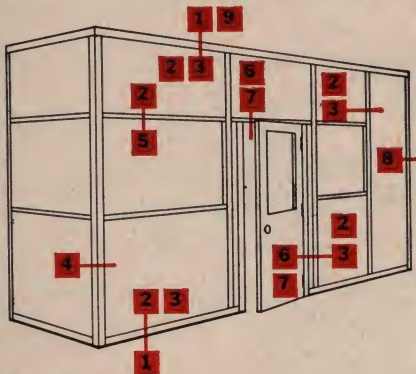




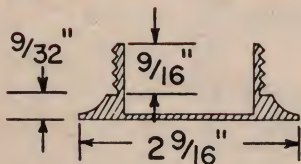
# designing an **H&B** movable partition

## basic components

scale 1/2 full size



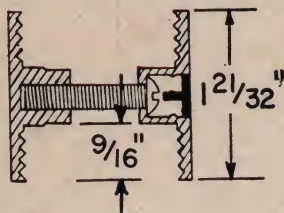
### 1 base or cap plate



no. BC1

Base or cap plate fits both small and large battens, for all partition bases, and caps for free standing or full height partitions. Lengths: 12'

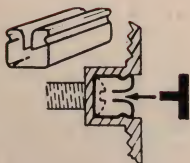
### 2 small batten



no. SB2

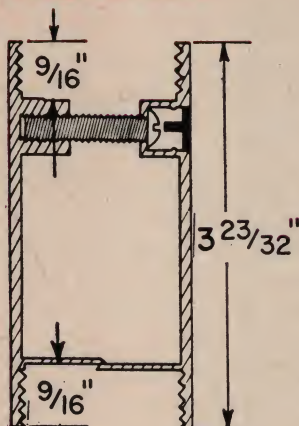
For use at joints where no wiring is required. Joints in sheets to be 5/8" to allow for batten, and batten bolts approximately 12" O.C. Available in 8', 10', 12' lengths.

### ▲ snap-in "T"



Small clips inserted between bolt heads approximately 1'-6" on center. "T" and clips are furnished with small and large aluminum battens.

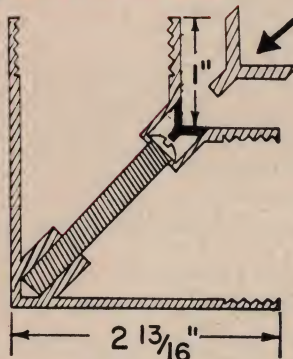
### 3 large batten



no. LB3

For use wherever wiring is required, to conceal wiring and retain outlet boxes. Bolts in battens are approximately 12" on center. Lengths: 8', 10', 12'

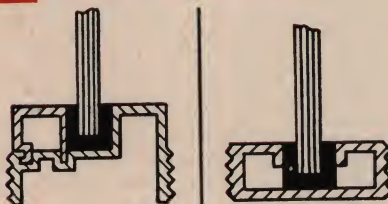
### 4 corner batten



no. CB4

Bolts in batten are approx. 12" O.C. Small clips inserted between bolt heads approx. 1' O.C. (comes furnished with "Y" and clips.) Lengths: 8'-6", 10'-6", 12'-6"

### 5 window spacer

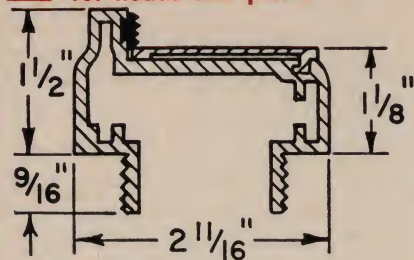


no. WS5

no. RW55

For use in either large or small batten to frame for glass. Lengths 6', 7', 8', 3/16" or 1/4" glass—be sure to state glass size

### 6 door moulding for heads and jambs



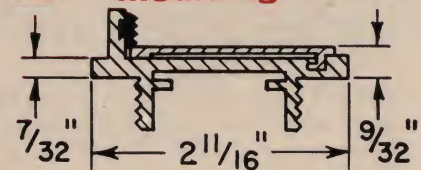
no. DJ6

Comes in two sizes: one for doors 1 3/8" thick and the other size for doors 1 3/4" or 2" thick. Overall dimensions are the same for both types of moulding. Door heads mitred in our factory.

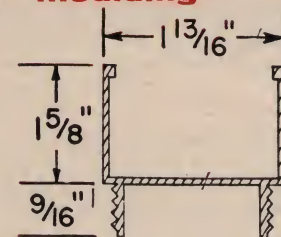
Be sure to state door size.

no. DJ6 for door heads

### 7 standard door moulding no. SDJ7



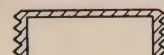
### 8 intersecting moulding



no. IM8

For use where partition intersects another wall. Lengths: 10', 12'

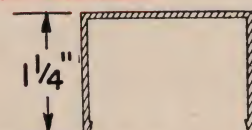
### 9 flat intersecting channel



no. FIC9

Can be used in place of cap plate. Is used in rail type partition.

### 1 1/16" CHANNEL

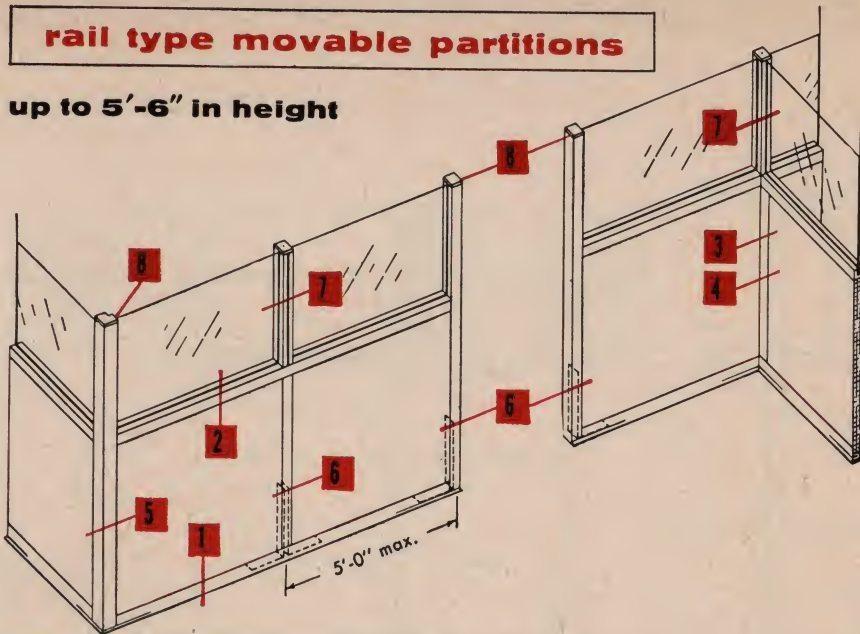


For use under special job conditions.

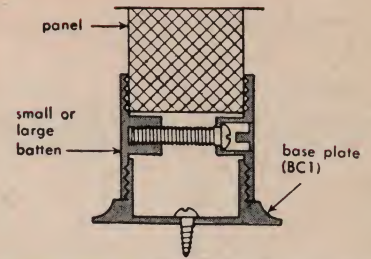


## rail type movable partitions

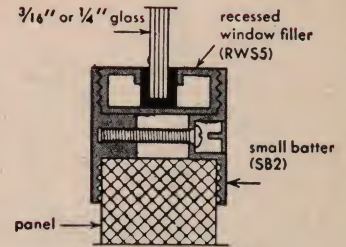
up to 5'-6" in height



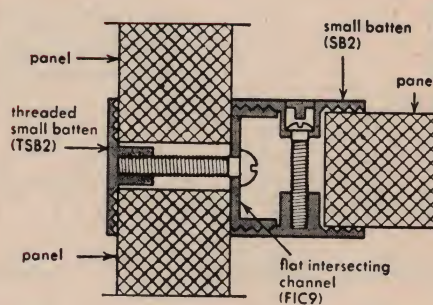
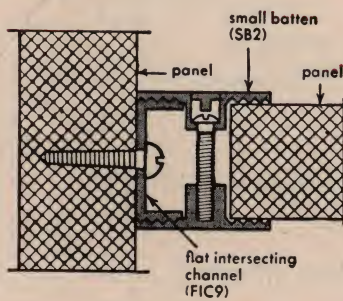
### 1 base assembly



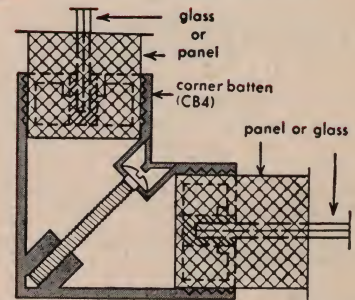
### 2 horizontal batten



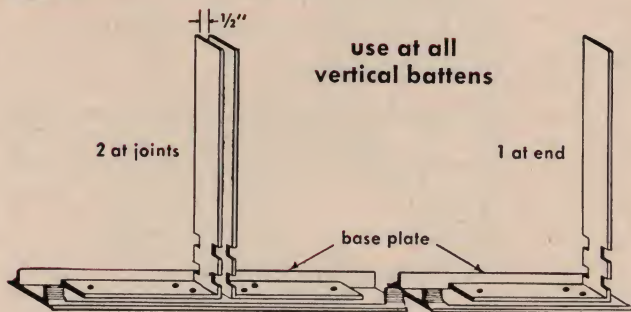
### 3 intersecting partitions



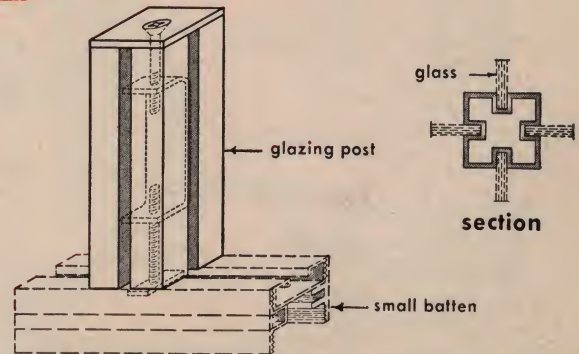
### 5 corner assembly



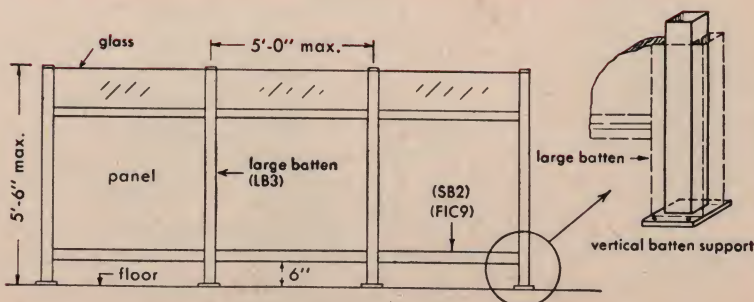
### 6 vertical angle support



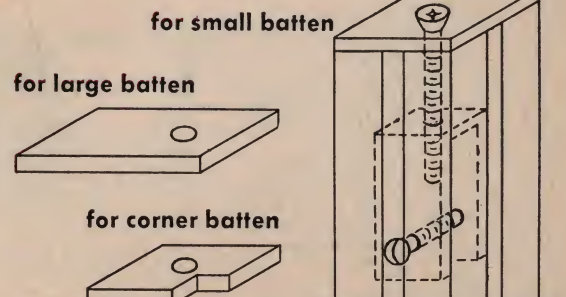
### 7 glazing post



## rail type movable partitions with open base

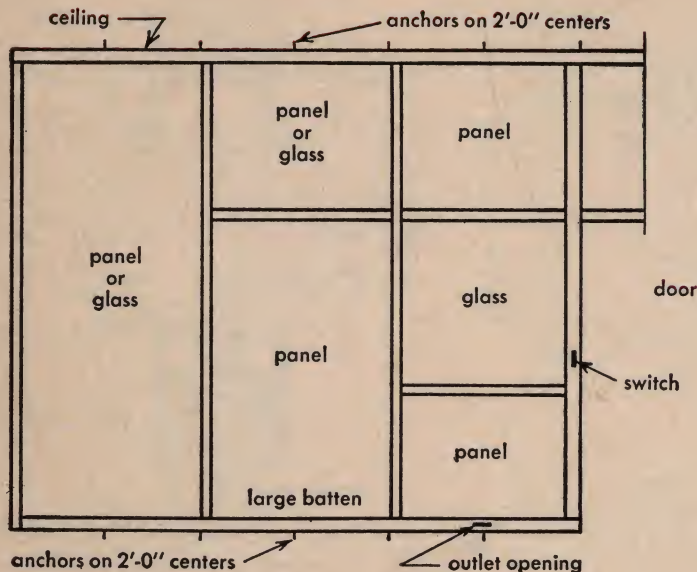


### 8 top caps





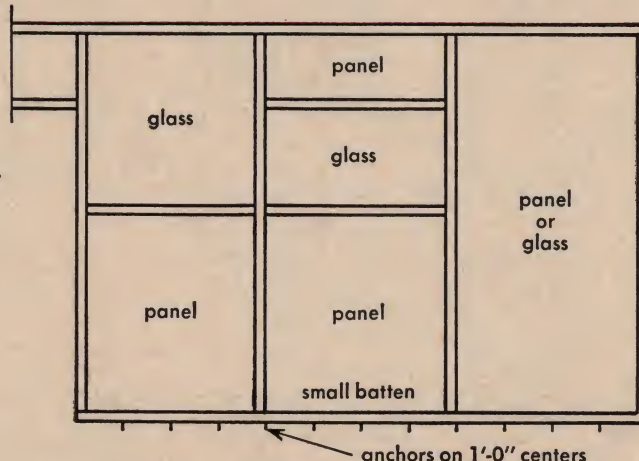
## full height movable partitions



maximum height 12'-0"

with or without wiring

## free standing movable partitions

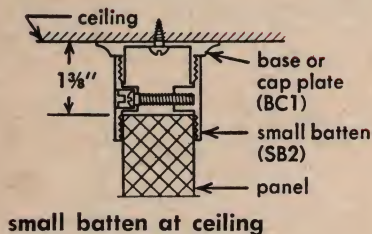


maximum height 10'-0"  
maximum run without support 16'-0"  
free ends anchored

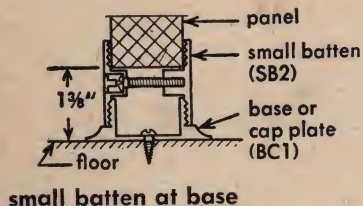
with or without wiring

## component combinations scale 3" = 1'-0"

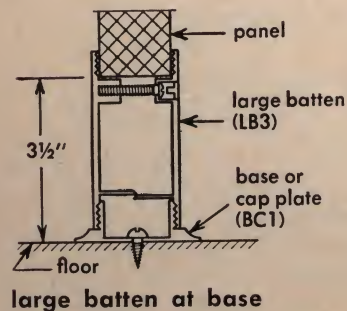
### vertical sections



small batten at ceiling

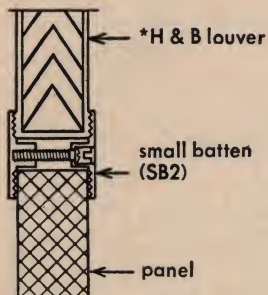


small batten at base

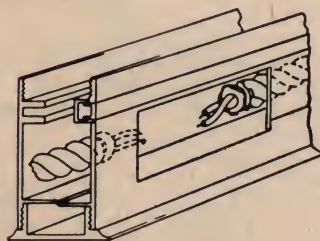


large batten at base

### miscellaneous details



\*H & B louver detail



electrical outlet opening

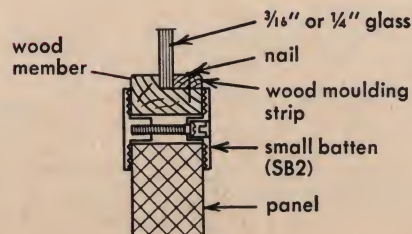
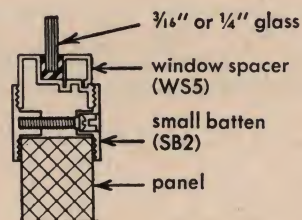
### window spacer details

#### for glass windows

Complete Aluminum Window Spacer with Gaskets, fits either large or small battens. Be sure to state thickness of glass.

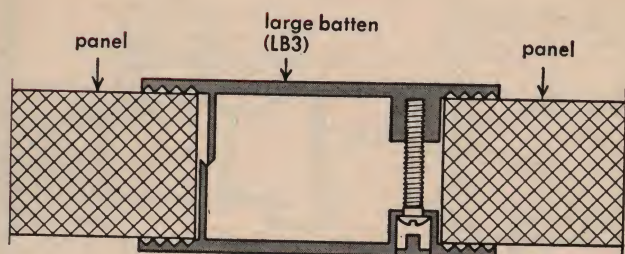
#### with wood blocking

Generally, strips of wood block are found to be adequate window spacers when placed within the battens around the glass.

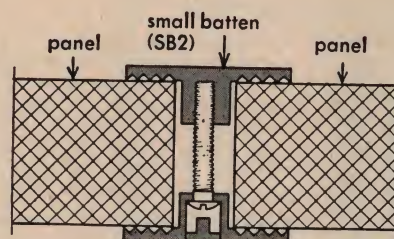




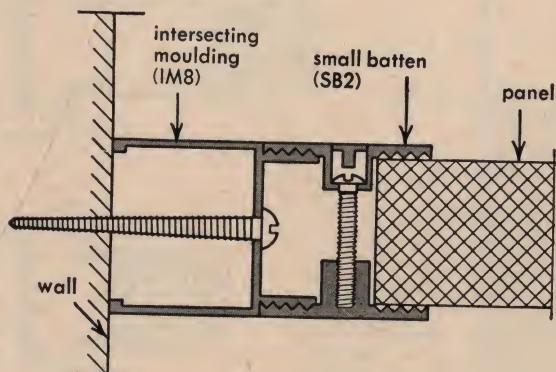
half size details typical conditions



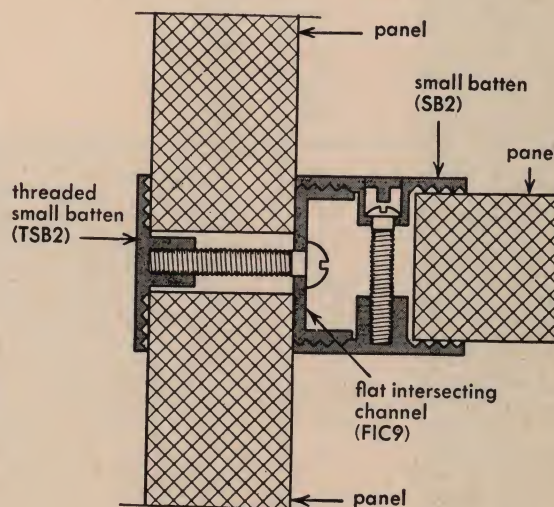
vertical joint



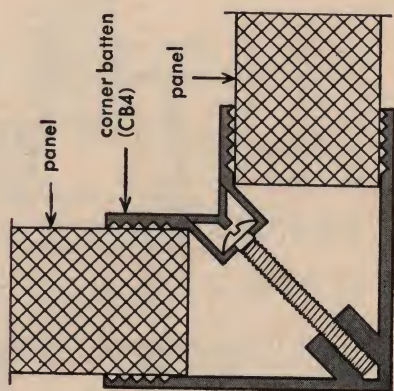
vertical joint



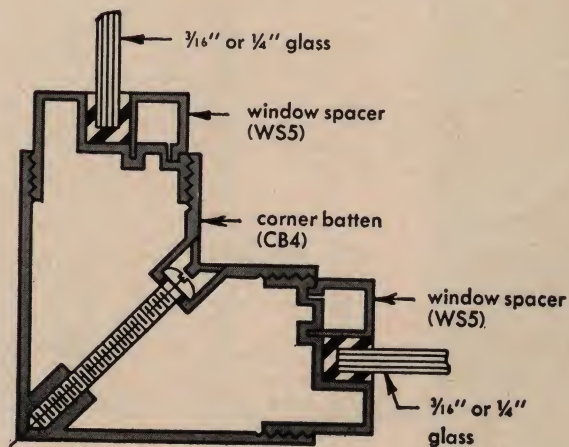
partition intersecting stationary wall



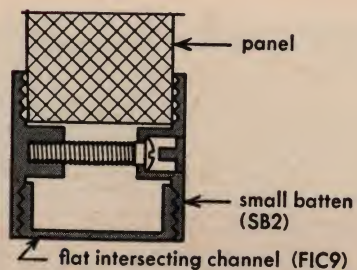
intersection of partitions



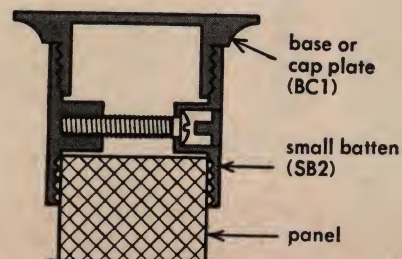
corner detail



corner detail with glass



framed opening without door

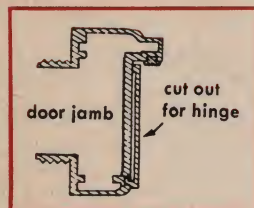


top of free standing partition

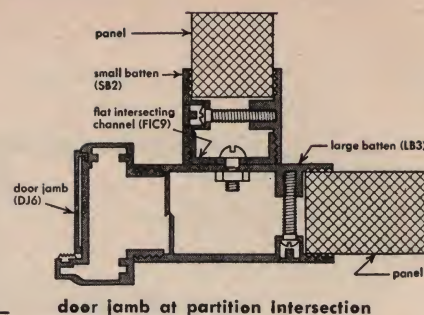
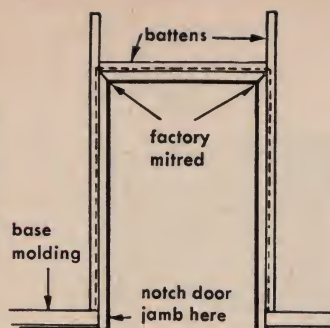


## door details

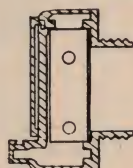
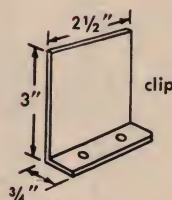
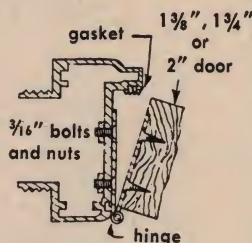
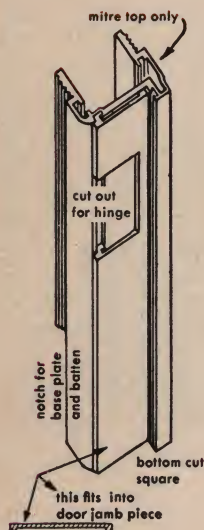
### aluminum door moulding (DJ6)



The Door Head Moulding must be mitered to a specific door width. The Door Jamb Mouldings are factory mitered at the top and are 7' 6" long; the bottoms are cut on the job to fit any height door. Comes in 2 standard sizes: one size for doors 1 3/8" thick and the other for doors 1 3/4" or 2" thick, the overall dimensions are the same for both sizes.

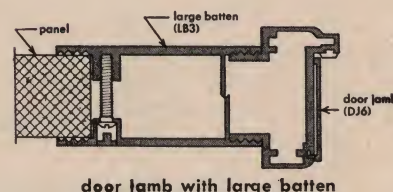


door jamb at partition intersection

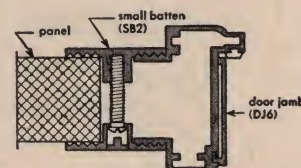


### door jamb clip

Clips are anchored to the floor with screws and set within the Door Jamb Moulding. #12 screws and rawl plugs are available for wood or concrete floor installations.

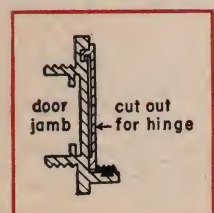


door jamb with large batten

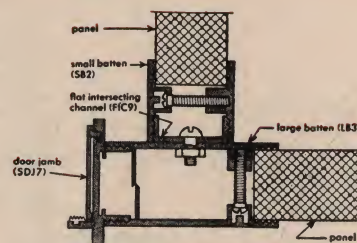
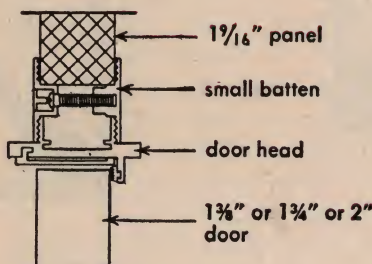
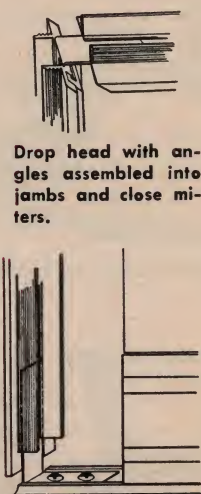
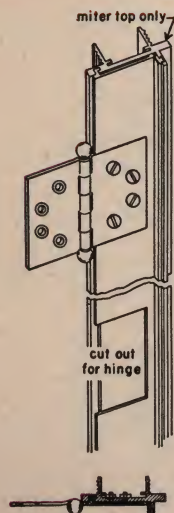


door jamb with small batten

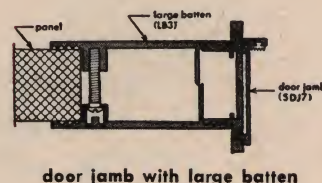
### standard door moulding (SDJ7)



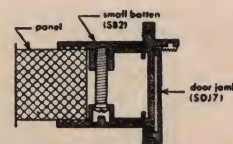
The Door Head Moulding must be mitered to a specific door width. The Door Jamb Mouldings are factory mitered at the top and are 7' 6" long; the bottoms are cut on the job to fit any height door. Comes in 2 standard sizes: One size for doors 1 3/8" thick and the other for doors 1 3/4" or 2" thick, the overall dimensions are the same for both sizes.



door jamb at partition intersection



door jamb with large batten



door jamb with small batten



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